



BEST AVAILABLE COPY

PTO/SB/25 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TERMINAL DISCLAIMER TO OBVIATE A PROVISIONAL DOUBLE PATENTING  
REJECTION OVER A PENDING "REFERENCE" APPLICATION**

Docket Number (Optional)

PTC-001-011

In re Application of: Carter et al

Application No.: 10/696,466

Filed: 10/29/2003

For: Material Transfer Device and Method

The owner\*, Precision Thermoplastic Components, Inc., of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of any patent granted on pending reference Application Number 10/082,590, filed on 02/23/2002, as such term is defined in 35 U.S.C. 154 and 173, and as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the reference application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 and 173 of any patent granted on said reference application, "as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application," in the event that: any such patent: granted on the pending reference application: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.

Check either box 1 or 2 below, if appropriate.

1. ☒ For submissions on behalf of a business/organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the business/organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2. ☐ The undersigned is an attorney or agent of record. Reg. No. \_\_\_\_\_

  
Signature

11/10/04  
Date

Randall E. Carter  
Typed or printed name

800 860-4505  
Telephone Number

- ☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

\*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).  
Form PTO/SB/96 may be used for making this statement. See MPEP § 324.

This collection of information is required by 37 CFR 1.321. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

12/14/2004 MBEYENE1 00000077 10696466

01 FC:1999

55.00 OP

PIPE  
DEC 09 2004  
PATENT & TRADEMARK OFFICE

PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)**55**

### Complete if Known

Application Number **10/696466**  
Filing Date **10/29/2003**  
First Named Inventor **RANDALL E CARTER**  
Examiner Name **STEVEN D DOUGLAS**  
Art Unit **3751**  
Attorney Docket No. **PTC 001-011**

### METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☐ Deposit Account Deposit Account Number: \_\_\_\_\_ Deposit Account Name: \_\_\_\_\_

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

Fee Description	Small Entity	
	Fee (\$)	Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**      **Multiple Dependent Claims**  
\_\_\_\_\_ - 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_      **Fee (\$)**      **Fee Paid (\$)**  
HP = highest number of total claims paid for, if greater than 20

**Indep. Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**  
\_\_\_\_\_ - 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
HP = highest number of independent claims paid for, if greater than 3

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

**Total Sheets**      **Extra Sheets**      **Number of each additional 50 or fraction thereof**      **Fee (\$)**      **Fee Paid (\$)**  
\_\_\_\_\_ - 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: **TERMINAL DISCLAIMER**

Fees Paid (\$)

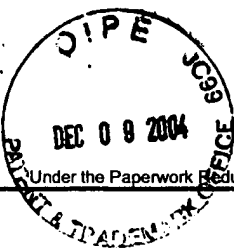
**55**

#### SUBMITTED BY

Signature **R. Hussey**      Registration No. **26740**      Telephone **216 687-1111**  
(Attorney/Agent)  
Name (Print/Type) **ROBERT R HUSSEY**      Date **12/9/2004**

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Randall E. Carter, Leslie F. Kohli, and Brian D. SchumacherApplication No./Patent No.: 10/082,590 Filed/Issue Date: 02/23/2002Entitled: Refrigerant Material Transfer Device and Method

Precision Thermoplastic Components, Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 012642, Frame 0551, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

11/10/04

Date

Randall E. Carter

Printed or Typed Name

(419) 227-4500

Telephone Number

President

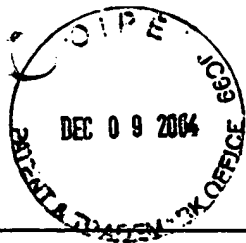
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE  
★★★★



MAY 01, 2002

PTAS

ROBERT R. HUSSEY  
PO BOX 700  
N. OLMSTED, OHIO 44070

Commissioner for Trademarks  
Arlington, VA 22202-3513  
www.uspto.gov



\*102009850A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/23/2002

REEL/FRAME: 012642/0551

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CARTER, RANDALL E.

DOC DATE: 02/22/2002

ASSIGNOR:

KOHLI, LESLIE F.

DOC DATE: 02/22/2002

ASSIGNOR:

SCHUMACHER, BRIAN D.

DOC DATE: 02/22/2002

ASSIGNEE:

PRECISION THERMOPLASTIC  
COMPONENTS, INC.

3765 ST. JOHNS ROAD  
LIMA, OHIO 45802

SERIAL NUMBER: 10082590

FILING DATE: 02/23/2002

PATENT NUMBER:

ISSUE DATE:

012642/0551 PAGE 2

VIOLET MCCOY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

NRD

2/23/2002

DEC 09 2004

03-11-2002

Form PTO-1595  
(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings

102009850

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(les):

Randall E. Carter  
Leslie F. Kohli  
Brian D. SchumacherAdditional name(s) of conveying party(les) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(les)

Name: Precision Thermoplastic Components, Inc.

Internal Address: \_\_\_\_\_

Street Address: 3765 St. Johns Road

City: Lima State: Ohio Zip: 45802

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: \_\_\_\_\_

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

10082590

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert R. Hussey

Internal Address: \_\_\_\_\_

Street Address: P. O. Box 700

City: N. Olmsted State: Ohio Zip: 44070

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40<sup>00</sup>

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert R. Hussey

Name of Person Signing

Signature

2/23/2002  
Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

 11040 U.S. Pat.  
 10/082590  
 02/23/02

## ASSIGNMENT

Randall E. Carter of 18686 State Route 196, Waynesfield, Ohio 45896 USA (Assignor); Leslie F. Kohli of 615 West Hume Road, Cridersville, Ohio 45806 USA (Assignor); and Brian D. Schumacher of 1425 Commanche Pass, Wapakonetta, Ohio 45895 USA (Assignor), (each of said Assignors herein referred to both jointly, individually and collectively as "Assignors"), for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, do hereby sell, assign and transfer to Precision Thermoplastic Components, Inc., an Ohio Corporation, having a principal place of business at 3765 St. Johns Road, Lima, Ohio 45802 ("Assignee"), all their right, title and interest in and to the inventions described in and/or claimed in U. S. Patent Application, Titled

### "REFRIGERANT MATERIAL TRANSFER DEVICE AND METHOD"

executed by Randall E. Carter, Leslie F. Kohli, and Brian D. Schumacher, (Assignors) on the 22 day of FEB, 2002 and any reissues, renewals, substitutes, re-examinations, continuations, divisionals, continuations in part, extensions thereof, foreign counterparts or foreign counterpart applications, including Patent Cooperation Treaty Countries, and countries not members of the Patent Cooperation Treaty, based in whole or in part upon said inventions or upon said applications, and all Letters Patents and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patents and in and to all causes of action, claims and demands or other rights for, or arising from, any infringements, including past infringements, of any and all said inventions and/or patent.

Assignors authorize Assignee to file patent applications and any other documents relating to the inventions assigned herein in any or all countries in its own name, or otherwise as said Assignee may deem advisable, or if necessary, in the name of Assignor or Assignors, including those filed under an International Convention or otherwise; the United States of America Receiving Office and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patents to said Assignee, its successors or assigns.

Said Assignors hereby covenant and agree with Assignee that they will, at the request of Assignee, do all acts reasonably assuring that the said inventions, patent applications and Letters Patents shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and to communicate to the said Assignee, or its representatives, all facts known to him respecting said invention and furnish said Assignee with all facts relating to said inventions or the history thereof and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions and/or patent, testify in any legal proceeding relating to said inventions, patent applications and Letters Patents, sign all lawful papers, including, without limitation, petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and in substance as may be requested by Assignee, and generally do everything possible to aid Assignee to obtain, maintain, and enforce proper patent protection for said inventions, and to vest the entire right, title and interest in and to said inventions and any and all patents therefor in the said Assignee. Said Assignors hereby covenant and agree that they have the full power to make this Assignment and that the inventions and patent rights and Letters

Patents or other right assigned hereby is not encumbered by any grant, license, lien or other right heretofore given.

IN WITNESS WHEREOF, each Assignor has caused this instrument to be executed this 22 day of February, 2002.

Randall E. Carter  
(Assignor)

STATE OF OHIO ) SS.  
COUNTY OF Allen )

Before me personally appeared Randall E. Carter, and acknowledged executing the foregoing instrument and acknowledged said instrument executed by him to be his free act and deed this

22 day of February, 2002.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at Lima, Ohio this 22 day of February, 2002.

Cynthia L. Taylor  
Notary Public

CYNTHIA LORRAINE TAYLOR  
Notary Public, State of Ohio  
My Commission Expires: 4/19/2006

Leslie F. Kohli  
(Assignor)

STATE OF OHIO ) SS.  
COUNTY OF Allen )

Before me personally appeared Leslie F. Kohli, and acknowledged executing the foregoing instrument and acknowledged said instrument executed by him to be his free act and deed this

22 day of February, 2002.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at Lima, Ohio this 22 day of February, 2002.

Cynthia L. Taylor  
Notary Public

CYNTHIA LORRAINE TAYLOR  
Notary Public, State of Ohio  
My Commission Expires: 4/19/2006

Brian D. Schumacher  
(Assignor)

STATE OF OHIO ) SS.  
COUNTY OF Allen )

Before me personally appeared Brian D. Schumacher, and acknowledged executing the foregoing instrument and acknowledged said instrument executed by him to be his free act and deed this

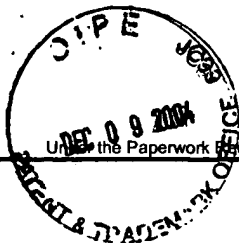
22 day of February, 2002.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at Lima, Ohio this 22 day of February, 2002.

Cynthia L. Taylor  
Notary Public

CYNTHIA LORRAINE TAYLOR  
Notary Public, State of Ohio  
My Commission Expires: 4/19/2006



**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Randall E. Carter, Leslie F. Kohli, and Brian D. SchumacherApplication No./Patent No.: 10/696,466 Filed/Issue Date: 10/29/2003Entitled: Material Transfer Device and Method

Precision Thermoplastic Components, Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014654, Frame 0099, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Randall E. Carter  
Signature

11/10/04  
Date

Randall E. Carter

Printed or Typed Name

(419) 227-4500

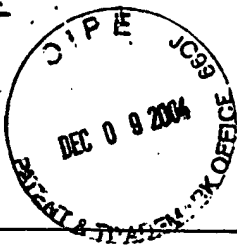
Telephone Number

President

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 25, 2004

PTAS



\*102592431A\*

ROBERT R. HUSSEY  
P.O. BOX 700  
N. OLMSTED, OH 44070

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/29/2003

REEL/FRAME: 014654/0099  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CARTER, RANDALL E.

DOC DATE: 10/28/2003

ASSIGNOR:

KOHLI, LESLIE F.

DOC DATE: 10/28/2003

ASSIGNOR:

SCHUMACHER, BRIAN D.

DOC DATE: 10/28/2003

ASSIGNEE:

PRECISION THERMOPLASTIC  
COMPONENTS, INC.  
3765 ST. JOHNS ROAD  
LIMA, OHIO 45802

014654/0099 PAGE 2

SERIAL NUMBER: 10696466

FILING DATE: 10/29/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: MATERIAL TRANSFER DEVICE AND METHOD

LENELL MACKALL, SUPERVISOR  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

DEC 09 2004

10696466

11-05-2003

Form PTO-1595

(Rev. 10/02)

RECORD

P

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings

DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office



102592431

To the Honorable Commissioner of Patents and Trademarks, please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Randall E. Carter  
Leslie F. Kohli  
Brian D. Schumacher

2. Name and address of receiving party(ies)

Name: Precision Thermoplastic Components, Inc.

Internal Address:

Street Address: 3765 St. Johns Road

City: Lima State: OH Zip: 45802

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 10/28/2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert R. Hussey

Internal Address:

Street Address: P. O. Box 700

City: N. Olmsted State: OH Zip: 44070

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number:

DO NOT USE THIS SPACE

9. Signature.

Robert R. Hussey

Name of Person Signing

*R. Hussey*  
Signature

10/29/2003

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

11/03/2003 RHARIS1 00000021 10696466

## ASSIGNMENT

Randall E. Carter of 18686 State Route 196, Waynesfield, Ohio 45896 USA (Assignor); Leslie F. Kohli of 615 West Hume Road, Cridersville, Ohio 45806 USA (Assignor); and Brian D. Schumacher of 1425 Commanche Pass, Wapakonetta, Ohio 45895 USA (Assignor), (each of said Assignors herein referred to both jointly, individually and collectively as "Assignors"), for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, do hereby sell, assign and transfer to Precision Thermoplastic Components, Inc., an Ohio Corporation, having a principal place of business at 3765 St. Johns Road, Lima, Ohio 45802 ("Assignee"), all their right, title and interest in and to the inventions described in and/or claimed in U. S. Patent Application, Titled

### "MATERIAL TRANSFER DEVICE AND METHOD"

executed by Randall E. Carter, Leslie F. Kohli, and Brian D. Schumacher, (Assignors) on the 28 day of October, 2003 and any reissues, renewals, substitutes, re-examinations, continuations, divisionals, continuations in part, extensions thereof, foreign counterparts or foreign counterpart applications, including Patent Cooperation Treaty Countries, and countries not members of the Patent Cooperation Treaty, based in whole or in part upon said inventions or upon said applications, and all Letters Patents and reissues and extension of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patents and in and to all causes of action, claims and demands or other rights for, or arising from, any infringements, including past infringements, of any and all said inventions and/or patent.

Assignors authorize Assignee to file patent applications and any other documents relating to the inventions assigned herein in any or all countries in its own name, or otherwise as said Assignee may deem advisable, or if necessary, in the name of Assignor or Assignors, including those filed under an International Convention or otherwise; the United States of America Receiving Office and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patents to said Assignee, its successors or assigns.

Said Assignors hereby covenant and agree with Assignee that they will, at the request of Assignee, do all acts reasonably assuring that the said inventions, patent applications and Letters Patents shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and to communicate to the said Assignee, or its representatives, all facts known to him respecting said invention and furnish said Assignee with all facts relating to said inventions or the history thereof and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions and/or patent, testify in any legal proceeding relating to said inventions, patent applications and Letters Patents, sign all lawful papers, including, without limitation, petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and in substance as may be requested by Assignee, and generally do everything possible to aid Assignee to obtain, maintain, and enforce proper patent protection for said inventions, and to vest the entire right, title and interest in and to said inventions and any and all patents therefor in the said Assignee. Said Assignors hereby covenant and agree that they have the full power to make this Assignment and that the inventions and patent rights and

Letters Patents or other right assigned hereby is not encumbered by any grant, license, lien or other right heretofore given.

28 IN WITNESS WHEREOF, each Assignor has caused this instrument to be executed this day of October, 2003.

Randall E. Carter  
(Assignor)

STATE OF OHIO ) SS.  
COUNTY OF ALLEN )

  
Randall E. Carter

Before me personally appeared Randall E. Carter, and acknowledged executing the foregoing instrument and acknowledged said instrument executed by him to be his free act and deed this 28 day of OCT, 2003.

Randall E. Carter IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at Ohio this 28 day of OCT, 2003.

  
Notary Public

Leslie F. Kohli  
(Assignor)

STATE OF OHIO ) SS.  
COUNTY OF ALLEN )

  
Leslie F. Kohli

Before me personally appeared Leslie F. Kohli, and acknowledged executing the foregoing instrument and acknowledged said instrument executed by him to be his free act and deed this 28 day of OCT, 2003.

Leslie F. Kohli IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at Ohio this 28 day of OCT, 2003.

  
Notary Public

Brian D. Schumacher  
(Assignor)

STATE OF OHIO ) SS.  
COUNTY OF ALLEN )

  
Brian D. Schumacher

Before me personally appeared Brian D. Schumacher, and acknowledged executing the foregoing instrument and acknowledged said instrument executed by him to be his free act and deed this 28 day of OCT, 2003.

Brian D. Schumacher IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at Ohio this 28 day of OCT, 2003.

  
Notary Public

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**